

1899

April 3 to Nov. 1
Texas & California
V.B.



Wolfe
917 Westminster

Sarah Maltz

White Lake Corners
Oneida Co., N.Y.

Insurance expires Oct. 3
goods stored in room 427
Mrs. Martinez San Diego

Field Notes

1899

Vernon Bailey

Dept. of Agl.
Washington, D.C.

1899

April 3,
Left Washington 9:20 P.M.
Norfolk & Western

April 4

Roanoke - daylight
Snowing hard, 2 in. on ground
Paluski, Breakfast 8
Still snowing
Pinus strobus com
... mitis ? -

Tsuga - abundant
Pinus virginiana, ? com.
Oaks
Ash
Maple
Birchwood

Bristol, Tennessee 11:30
Snow all gone
Locust

Sycamores
Junipers

Quently rolling & hilly
country, good farms
- orchards, some rocks

Johnson City
mostly clay soil, some
of the land is badly washed

Rogersville, Tenn.

shale, red clay soil
Morris town

limestone country.
numerous ponds, hollows
& sink holes.

Good farms
Knoxville lunch

red clay soil, winter
wheat looks good &
seems to be the main crop
Good saddle horses

Athens

Poor soil & pine

Charleston 4:19 PM

Plums in blossom
Peaches

Chickensaw

Mississippi Ridge

Skinner
Mississippi
Bog
on plant

Chattanooga
Super

Arundinaria a few
Liquidambar com
just upon reaching
Chattanooga
dark

April 5

~~Mill town~~

Lumberton, daylight

Pinus palustris

Magnolia glauca

"

Liquidambar

Cornus florida - in flower

Oaks - deciduous

Larthus alba

Zarodium

a few

Agalia -

in flower

Picea canadensis

Benton

Tillandsia

abundant

Palmetto

Zygadenus

in flower

Live oaks

Cathartes aura 12

Shidell

Lake Ponchartraine

Muskrothouses, numerous
Quiscalus waerura, com
Agelaius phoeniceus 1
Ceryle alcyon 2

New Orleans 8:20 AM
lft. 9. on S.P.

Raceland - no birds.

sugar cane fields, marshes,
cypress swamps.

Shriever, just on Houma

Cathartes atrata, 5 on house & 2
on yard fence.

Bayou Lafourche

Morgan City

New Iberia

Lafayette 3 PM.

Rayne

Thermopsis 2 sp. abn.
all rice country

Mermentau

a nice little town near a bayou
a hotel & good to work.

1879.
April 6 Lake Charles, La.

Procyon ruber, abn. in style
Zonotrichia bicolor abn.
Chelidon erythrogaster, a few
Spizella socialis 1
Tyrannus tyrannus 1
Quiscalus com.
Cathartes atrata 1
Passer domesticus, abn.

April 6. Iowa Station

Quiscalus waerura
Agelaius phoeniceus
Sturnella
Ammodramus
~~Cardinals~~ Piranga rubra
Cyanocitta 1
Colaptes auratus 2
Vireo
Turdus
Merula
Sialia sialis
Polioptila caerulea
Mimus polyglottus
Trochilus
Icterus spurius
Killdeer

Greater yellow legs

Lesser "

Cathartes aura

" atrata

Corvus americanus

Ceryle alcyon

Tachycineta bicolor

Chelidon erythrogaster

Progne subis

Chimney swift

April 7. Iowa Station

Ardea herodias 1

Bartramia semipalmata 3

Anthus 5

April 8

Little Blue Heron, 1 in trap

Icteria galbula

Quails 12

Oriobates villosus? 2

"

Colaptes auratus, digging nest hole

Vireo

♂ 1 sp.

Seiurus

2

Sitta pusilla

Minotilta varia

Geothlypis trichas 2

" formicivorus

Spizella socialis

Turdus

Mounds - 2 to 4 feet high,
30 to 60 feet wide, 10 or 12
to an acre. all over prairie

Iowa Station, Ia.
April 8

Pinus palustris

Robinia

Blackberry

2 species

Thermopsis

"

Tradescantia

in flower

Castilleja

"

Spider lily

"

Coreopsis

"

Violets

3 sp. in flower

Oxalis

(yellow)

"

Grasses

numerous species

Falco sparverius

April 9 To Lake Charles
at Howard House

April 10

Left Lake Charles at 4:46 am

Prairie, woods along streams,

Mounds everywhere

Orange

6

Georgy hills, near town

Taxodium in swamps

Liquidambar

Magnolia glauca

Pinus

?

Beaumont

Big prairie - 2 Georgys

Howard Lake

mostly prairie

Liberty

Gopher hills, abundant again

mostly prairie west to

Howard

Georgy hills - a few

all prairie

Alvin

all prairie, glauca

Alta Loma

"

Virginia Pt.

Galveston

April 12 to Bolover

Quiscalus naevius

Agelaius phoeniceus

Sturnella

Icterus opacus

Ardea

Ardea (little blue heron)

Pyranga rubra

Otocoris

Ammodramus

Pooecetes

2

Passer domesticus

Bartramia

Greater yellow legs

Actitis macularia

Tyrannus tyrannus 2

Tachycineta

Chelidon

Brown Pelicans

8

Gulls

Blue grasshopper

Nyctaleus cinereus

Willet

com

Cathartes aura

" *trata*

Melospiza porphyreus

Bolover

mesquite? -

Acacia

Tamarix

Lycium

Opuntia

China berry

Celtis

Plum

Plantago patagonica

Thornapple

Sisymbrium carniflorum

Opuntia vulgaris, yellow flower

Yucca

fig - 12 ft

April 12
Virginia Point, Tex.

Quiscalus vacrona com
Agelaius phoeniceus "
Sturnella neglecta, nest, 40
Icteria galbula
" *spurius*
Ammodramus
Otocoris
Harpachyrodus
Marsh wren, - short billed 1
Lanius 2
Scissor tail 1
Zenaidura 2
Bartramia abn.
Gulls
Chelidon
Thaenides bicolor
Piranga rubra com
Mimus polyglottis
Circus hudsonius 1

April 13
Neuminius longirostris 23
Cardinalis (1 Bay)

Willetts
"Pipitot"

Thryothorus

14 *Empidonax*

" *Melospiza fasciata* =

Apr. 14

Night Hawk

April 15

Left Virginia Point 5:30

Hitchcock

Atta Lora

Houston - dark

April 12 -
Virginia Point
Acacia farnesiana

"
Celtis missillensis?
Bumelia lanuginosa
Lyxium carolinianum
Amarpha fruticosa?
Baptisia leucophæa
Opuntia engelmanni
Cenothera speciosa

"
"
"
Solanum
Xanthoxylum clava hirculæ
"
Pterota
Diospyros texiana
Schrankia
Sesbania cavanillesii
Populus monilifera

April 15.
Virginia Point to
Houston, Grand Central Hotel

April 16
Houston, left at 9:15 a.m.
Quercus falcata?
" live oaks
" phyllas?

Platanus
Pinus tida
Populus monilifera
Likinsia
Liquidambar
Sisbania
Alcacia farnesiana
Quercus nigra
"China berry"
"Figs"
"Mulberries"
Thamnos
Spider lilies
mounds - common
Groups

West of Bay
a flat prairie for 6 miles
with no mounds, no groups
then mounds & groups
begin together
fairy rings.

Baptisia
"Cotton" the main crop.
Riverland
"Bananae" trees killed
Richmond

April 17 Richmond

Quiscalus g. cinereus
Scoliocephalus
Molothrus
Agelaius phoeniceus
Mimus forficatus
Mimus polyglottis
Sturnella
Zonotrichia 3
Progne subis
Chaitura pelagica 1
Trochilus 1
Woodpecker
Cardinalis com.
Ammodramus
Zenaidura 2
Cathartes aura
" atrata
Tyrannus Tyrannus
Chelidon

April 18

Trochilus
Harporhynchus
Vireo
Corvus
Butor latissimus
Cyanocitta 1
Dendroica chrysoparia 1
Polioptila
Chondestes
Spiza americana - abun.
Bartramia longicauda
Mimus carolinensis
Passerina pisa 1
Icteria virens 1
Night Hawk
Phalaenoptilus
Barn Owl
Myiarchus cinerascens
Empidonax
Spizella
Calurus
Blue Grosbeak 2
Night Hawk
Cyrenus nebulosus

Richmond Tx,

Celtis mississippiensis
Alnus crassifolia
" *fulva*?
Populus monilifera
Xanthoxylum clava herculis
Prinosia juliflora
Ceanothus farinacea
Sisbania cavanillesii
Ilex casseria
Amaranthus
Argemone mexicana
Bull nettle

Hicoria pecan
Crataegus 2
Smilax
Fraxinus white ash
Ilex decidua
Rhus glabra
Cornus not florid
Morus
Lacuna radicans
Quercus palustris - pin oak
Ampelopsis
Bumelia
Schrankia
Baptisia leucophylla
" *sphaerocarpa*
Argemone platycornis
Tilia
Salix

April 22 Left Richmond 11 A.M.

Prairie - black
Rosenburg
all prairie - live
Baptisia leucophylla
" *sphaerocarpa*
Callirhoe
Pyrola
Rhus
Ceanothus - saved
Zygadenus

Proserpinaca
approach by wet run.
Sisbania
Rhus glabra
Prairie 2 miles
{ Small stream with
Palmetto
Celtis
Alnus
Hicoria pecan
Robinia

Prairie
a few wounds &
a few young

Hungerford
Prairie
no wounds or flowers

a carpet of yellow, blue,
pink, orange
Timber on stream

Wharton

Colorado R.

Bottoms, timber, 3 mi.

Prairie again

Wackay

Prairie, mounds

no Geomys

Pierre

Prairie - low hills,
gold + green but for
little signs of civilization

El Campo

Prairie - level, only grass,
4 mi. mounds, Geomys
in one spot only.

Hillja no station

Louise - a change

Stunted trees by river

Live oaks

dry soil, sandy loam -

Zovado - prairie - sandy
mounds + Geomys in
one field only.

Navadad R.

narrow timber strip

Prairie

a few mounds + Geomys
hills in narrow strip -

Edra *Quisealus macrodon*

oaks, live oak woods

sandy, Geomys abn.

Prairie

river + scrub oak

Prairie

Lucy *Uansas Cr.*

Prairie,

Geomys + mounds
in places

Wesatch prairie

Victoria

Quisealus macrodon

Peromyscus subflavus, com

Cherax cat

Lepus merriami &

Tyrannus tyrannus

all level prairie,

2 mounds + Geomys on both

Placido

Peromyscus subflavus &

Neotoma lepida

Icterus spurius

Archaeocephalus

Jaeger

Bartolomea, abn

Zenaidura

Sturnella
Circus
Buteo swainsoni
Dicksissi

Port La Vaca

Progne subis
Aegialitis vocifera, heard
Quiscalus macrourus
Mimus polyglottis
Otocoris
Zenaidura
Zonotrichia
Icteria virens
Vireo
Coot - 1 shot by hunter
Chondestes 2
Buteo swainsoni
Willits

Mounds of another kind,
 small, long, or irregular, cover
 over half the surface, caused by
 drainage.

Port La Vaca, April 29

Acacia farnesii com
Sisbania " "
Prosopis juliflora
Parkinsonia ~~aculeata~~ ^{aculeata} sam.
Xanthoxylum pterota com

Lycium com
Condalia 3 *Buckthorn*, com
Opuntia engelmannii "
Glossopitulum? or *lycium* - "
Berberis trifoliata "
Opuntia vulgaris? "
 " *tuberculata?* com
Bumelia "
Celtis "
Condalia obovata?
Zizyphus

April 24
Port La Vaca. 9 am

Victoria 11 "
Geomys abu.
Ridges near river soil.
Prairie, rough, sandy.
Zenaidura - in thousands
Buteo swainsoni

Mesquery
Post oak country

Thomaston
still sandy. - ridges

Cuero
Mimus polyglottis
Cardinalis
Myiarchus
Agelaius naevius
" aeneus

Zenaidura
Chondestes
Spizella
Melospiza lincolni
Cathartes aura
" atrata

Zonotrichia
Ammodramus
Myiarchus
Parus
Numenius longirostris /

Cuero
April 25

Spizella
Spiza americana
Painted bunting
Tyrannus tyrannus
April 26

Myiarchus cinerascens
Bartramia
Caracara

Ammodramus (cont.)

Melospiza erythrocephala

Icterus spurius /

Progne subis

Tachycineta bicolor

Chaetura pelagica

Picocera cassini / com.

Lanius /

Quero Texas, 1891.

April 26

Ulmus crassifolia
" (mericanus?)

Platanus

Celtis occidentalis
" (mississippiensis?)

Morus

Quercus aquatica
" virginiana
" nigra

Fraxinus

Negundo

Bumelia

Quercus - big leaf

Grape

Hicoria pecan

" scrubby

Opuntia engelmanni

" villosa

" arborescens

Mammillaria ~~texensis~~ haydeni

Cereus caryotopus

Echinocactus texensis

Yucca glauca

Grape

Cordyline

Ehretia obtusifolia

Schrankia

Cassia

Hoffmannseggia?

a few

April 27

Left Quero 1:30

Scrub oak & prairie

Yokum

fine rolling prairie

Shiners

All rolling prairie

Lepus melanotis

" merriami (Bray)

Zeltonia

enter scrub oak region

no mesquite or other desert
plants.

Wuldoor

West Point

Cyanocitta

nest 4

Zenaidura

Cardinalis

Mimus polyglottis

Icteria virens

Melanerpes erythrocephalus

Pipilo

Sturnus vulgaris

West Point

Quercus nigra

"

post oak

"

aquatica

Hicoria

Alnus crassifolia

"

Salix cassini

"

dieidna

Platanus

Populus monilifera

Sapindus

Bumelia

Croton

Smilax

Tecoma

Rhus

Ampelopsis

Ailanthus occidentalis

Grape

Blackberries 2

Morus rubra

Salix nigra

Salix

Quercus virginica

Sonchus oleraceus

Schrankia

Phlox

Sisymbrium

Hicoria picea

Xanthoxylum clava-herculis

Virginia

April 28

Left West Point 12:08

Quercus + SW.

Beautiful rolling prairie

Mesquite increasing

Cactus abundant

Westhoff

Opuntia suffruticosa

Phoradendron

Acacia

"

Range

Condylea

San Antonio River

Matoma house

All cactus, mesquite,

Acacia, Condylea,

Passiflora

Diospiros mexicana

Kennedy

All mesquite

Karnes

Colomespiza

File

Quercus

Badger holes

Lippia lysichitoides

Florusville

April 29 San Antonio
Prosopis juliflora
Condylea

Celtis

Berberis tripartita

Lippia lysioidea

Liaspisa mexicana

Opuntia suffruticosa

" engelmanni

"

"

yellow plum

orange "

Quercus virginiana, a few.

Tillandsia

short

Echinocactus texensis

Yucca

big

Quercus

post oak

Ulmus crassifolia

Sisbania, not all dead.

Morus

San Antonio, April 29
Icterus spurius
Zenaidura
Cathartes aura

Heliodotis brunneicapillus

Spizella

Cardinalis

Mimus polyglottis

Vireo

Thryothorus bewickii 2

~~Chondestes~~

Piranga

2

Mocking bird nest in yucca

April 29,

Left San Antonio 4:30

climbing, stony

more open - dry

Vivian big hills, limestone

Juglans

Baccharis

Aue less hilly

Caracara

Van Roub

263

Oak scrub - "shin oak"

Juniper

Rhus

Cercis

Coercus

Boarders wanted

Waring

Cypress

Elms

Platanus

Quercus virginiana

Tillandsia

Bridge

town

Cypress on creek

Quail

Kerrville

Kerrville

April 30

Cathartes atrata com

" aura "

Lacy's Ranch - 12 mi.

April 30

Phalaropus

Antrostomus

May 1 Lacy's

Zenaidura

com

Cardinalis

com

Campelis cedrorum

abu

Icteria

"

Icterus opacus

"

Vireo

white-eyed

"

yellow throat

"

olivaceous

com

"

atricapillus

com

Spizella arizonae

"

pallida ?

Chondestes

abu

Gaurica

com

Passerina cyanea

com

Cardinalis

"

Molothrus

"

Parus c. agilis

"

Myiarchus cinerascens com
Empidonax 1
Pipilo arcticus 1
Dendroica chrysoparia com
Oriobates s. bairdi "
Progne subis "
Accipiter cooperi nest
Thryothorus carolinensis com

" *bairdi*
Xanthocephalus xan- 10
Polyptila cerulea com
Cinclus .
Geothlypis trichas 1
 " *proserpinus* com
Petrochelidon nests
Sayornis phoebe + nest

May 2

Troglodytes 1
Regulus 1
Miniotilta varia com
Colinus v. texensis 2 com
Trochilus alexandri "
Catherpes
 Solitary sandpiper 1
Accipiter velox 1
Zonotrichia 1
Spinus mexicanus ? com
Bubo
Ardea

May 3

Spizella pallida
Parus atricapillus
~~*Passerina cyanea*~~
Helminthophila ruficapilla
Passerina cyanea
Sialia sialis 1 ♂

May 4

Buteo borealis
Cistothorus 1
Melospiza forficatus 2
Icterus bullocki, a pair
Contopus virens com
Empidonax
Helminthophila c. lutescens
Mimus carolinensis
Pooecetes
Chaetura pelagica 1
 Night Hawk
Vireo altricapillus nest, 3 eggs

Dendroica aestiva
 Golden Eagle 2
Pueia
Parula warbler
Pipilo fuscus 1
Ammodramus

Lacey ranch

Quercus macrocarpa
" minor
" muhlenbergii
" virginiana
" texana
" durandii - basket oak
" ~~agatica~~
" nigra
" gambelii? shin oak
Juglans rupestris
" californica
~~Hippocastanea~~
Aesculus arguta
Lugardtia speciosa
Forsythia
Rhus copallina
" trilobata
" Toxicodendron
Juniperus
Cercis
Viburnum
Cornus
Vitis
Ulmus fulva
" crassifolia
Phorodendron
Hicoria pecan
Platanus
Prunus black cherry
" plum
Sophora affinis
Schrankia

Prosopis juliflora a few
Yucca glauca - (stricta?)
" elata
" rupicola
Dasylirion texanum ^{saw toothed}
Nolina texana, by diff
"
Opuntia engelmannii
" big
Mammillaria vivipara
Cereus little
" phoeniceus
Rhus virens
Eriogonum
Eriogonum avarophoides
Rangia
Alnus occidentalis
Ceanothus
Rhamnus
Mimosa fragrans
Basswood

May 7 To Kerrville
 Melanerpes formicivorus 1
 Tyrannus tyrannus 1
 verticalis 1
 Falco sparverius 1

Kerrville, May 8

Ptila trifolata mollis
 Cypress - com. old log
 5 ft in di. 400 years old.

May 9 1750
 Kerrville. ~~1525~~

Colaptes
 Geothlypis

Divide

2350
~~2025~~

Friedrichsburg

26 mi.
 1495

May 10

Friedrichsburg 8.

17500

20 mi - lunch 1200

Llano

45 mi.

Southern Hotel - very bad.

Llano, May 11, 99.

Cathartes atrata com
" *aura* "
Caracara 1
Falco sparverius 1
Icterus bullocki 1
" *spurius* com
Vireo bellii "
Troglodytes alexandri 1
Milvulus forficatus com
~~*Myiarchus cinerascens*~~ "
~~*Tyrannus vociferans*~~ "
Mimus polyglottis abn
Cardinalis "
Piranga rubra com
Chondestes com. nests
Contopus virens ~
Parus atricristatus com
Spizella pallida "
Thryothorus s. bairdi
Passer domesticus
Agelaius phoeniceus 2
Melanochorus 1 ♂, yesterday
Oriobates s. bairdi
Sphyrapicus
Passerina ciris com
Petrochelidon
Night Hawk
Melanerpes carolinianus
Zenaidura com
Thryothorus -

May 12 Llano

Amphispiza bilineata 3

Tarus agilis

Polioptila caerulea

Agelaius vociferus

Pipilo (aberti?) 1

Passer domesticus

14

Ceryle 2

Tyrannus tyrannus

Progne subis

Colinus virginianus

Ilano, May 14.
Prosopis juliflora
Quercus nigra
" minor
" virginiana

Altis occidentalis + mis-

Sophora

Lycia texensis lagustrina

Alacia ranaiana

Bumelia

Diospiros

Zizyphus obtusifolia

Schrankia

Smilax bonerx

Opuntia engelmannii

" orange flowered

" dark colored

Cereus phoeniceus

" cuspatus (acc. spined)

Mammalaria vivipara

Yucca glauca stricta

" ~~stricta~~ lig
mivasa fragrans

Hicora pum

Ulmus crassifolia

Ptelia trifoliata

Fraxinus viridis?

Platanus

Salix nigra

Xanthoxylum

Phorodendron

Sophora

Berberus trifoliata

Helium attenuifolium bodian

Argemone mexicana

Callarboa

Linum

Minodora

Lupinus

Solanum 3

Phlox

Zilburia recurvata, a little

May 16,
Left El Paso at 2:40

Burnett

May 17
Burnett

San Gabriel ridge 1454

- *Columus*
- *Cathartes* in town, heard
- *Cyanocitta*
- *Chondestes* 2 on ground
- *Cardinalis* a few
- *Minimus* com
- *Zenaidura* "
- *Corvus americanus* "
- *Geococcyx* 1
- *Vireo alricapillus* heard
- *Cathartes aura* com
- *Cathartes atrata* "
- *Tyrannus tyrannus* 6.
- *Sturnella magna* 4
- *Spiza americana* 2
- *Ammodramus* (grasshopper sp.) com.
- *Agelaius phoeniceus* 2
- *Icteria spumens* 2
- *Peucaea cassinii* a few
- *Sialia* 1

Burnett

- *Cathartes* 1 in town
- *Quiscalus albus*
- Goldthroat - dark

May 18

San Angelo

- *Cardinalis* com.
- *Minimus* "
- *Zenaidura* "
- *Actitis macularia* 2
- *Milvulus* com
- *Thryothorus bewicki bairdi* ?
- *Geococcyx* heard
- *Chondestes* nests, abn.
- *Chordeiles*
- *Melanerpes carolinensis* 2
- *Buteo swainsoni* 1
- *Cathartes aura* 1
- *Agelaius vociferus* com.
- *Molothrus* "
- *Speotyto* "
- *Progne subis* ✓
- *Trochilus alexandri* 1

May 19

- *Amphispiza* 1
- *Calamospiza* big flock

May 18

San Angelo

Hicoria pecan

Prosopis

Acacia remiana

Bumelia

Diospyros

Zizyphus

Lycium

Smilax bracteata

Yucca glauca

Argemone

Opuntia engelmanni

big

" suffruticosa

Tribulus maximus

Callarhoa

Ephedra antiphratica

Xanthoxylum

Mammillaria vivipara

Ailanthus occidentalis

Unguis

Mimosa prorepens

Berberis hispida

Desmanthus virgatus (sensitivus)

Munadora

Thamnos

Polygala alba

Schrankia

rose

white

Pitalostemon violacea

Nolina

1

Juniperus

a few

Gaura

Gerothera

3

Crameria

Deschampsia

Evolvulus

Hustonia

Cereus candelabrus, a few

Echinocactus texensis

1

Salvia

Solanum

Cucurbit ~~sp~~ wigganshiza

May 19

1800

Wt San Angelo

8

Calamospiza

Amphispiza bilineata

Icterus bullocki

Lanius

"If P.D. were called by right
name wouldn't be damned
one left" Stage Drive

Myiarchus cinerascens

May 20

Sterling

2400

Callipepla squamata 3

Carpodacus ^{*crystallus*} ~~*frontalis*~~ 1

Otocoris 2

13 mi.

2650

Melospiza arizonensis 2

Dendroica g. baridi 2

Geococcyx

Calamospiza 2

Amphispiza

Lanius

Colorado

6

2400

Big Springs 8:30 2700

Trailing to Colorado

May 20 Flower

Asplenium platyneuron

Callitriche

Coreopsis

Salvia

Tall herb

Rhus glabra

Urtica dioica

Chenopodium

Lactuca

Aster sp.

Opuntia engelmannii

in flower

Bursera

a common plant

Rhus

Asplenium

Cassia

Urtica

Melampyrum

Rhynchospora

Hieracium

Asplenium

Gaura

Physalis

Convolvulus

Euphorbia

Sesuvium

Oenothera

Prinos juliflora
Acacia ruscifolia
Mimosa fragrans
Bumelia
Juglans rupestris
Coccyzus
Quercus (blue leaved scrub
 dense on buttes)

May 21.
 Big Springs

Progne subis com
Passer domesticus .
Chordeiles
Mimus
Pooecetes

May 22

Chondestes
Calamospiza 50
Cathartes aura 4 nest
Amphispiza bilineata
Sayornis phoebe 1
Cardinalis 1
Corvus cryptoleucus 10
Passerina ciris
Zenaidura nest + yg.
Geothlypis trichas 1
Colinus texensis 2(?)
Melospiza fasciata 2
Icterus bullocki 1
Agelaius vociferus
Myiarchus cinerascens 1
Oreochelidon
Tyrannus verticalis 2
Callipepla s. castanogaster com
Buteo swainsoni

Big Springs

Prosopis juliflora abn.
Acacia rupestris
Mimosa fragrans
Juniperus
Berberis trifoliata
Ziziphys obtusifolia ?
Condalia obtusifolia
Microchloa ericoides
Koeberlinia
Rhus (microphylla)
Ephedra
Sapindus
Celtis
Yucca glauca
Opuntia engelmannii
" *astacensis*
" *suffruticosa*
Echinocactus texensis
Atriplex canescens
Bumelia
Xanthoxylum
Larrea
Zysium
Argemone repens
Morus rubra
Dalea pinnosa

May 25
Colorado 8 2100

High prairie 2500
Colorado river 2400
2.5 mi.

May 26 Camp, 8, 2300

Bull Creek, 12, 2500

Gail 4 2800

Lanius 1
Mitrospiza com
Myiarchus cinerascens 1
Mimus com
Chondestes "
Zenaidura "
Colinus s. castrorum
Agelaius vociferus "
Cardinalis 1
Spectator com
Quercus agrifolia "
Dendroica s. bairdi 1
Chordeiles com
Catherpes mexicanus
Corvus cryptoleucus

30 miles

May 27 7:30, Corcoran
 Camp 2700
 First edge of plain 3050
 Top " 3100
 Otocoris a few
 Petrochelidon at pool
 Lunch 3100
 Spoonbills 3 } 3500
 Camp 6 PM 35 mi.

May 28 7:30 AM Camp 3300
 Zizania 2
 Archibuteo com
 Numenius longirostris 28
 Butor swainsoni, com
 Otocoris "
 Chardilus "
 Spizella "
 Corvus cryptoleuca "
 Colaptes c. costaricensis 1

Tahoe Lake 3100
 Top of prairie 3300

Lunch 3450
 end of P.D. country
 Prairie 3500

Lubbock 6 PM. 35 mi. 3500

May 28 Top of plains
 Prosopis juliflora, dwarf, scattered
 Asclepias - big leaf - com
 Asclepias
 Alaria white flowered
 few - dwarfed
 Gutierrezia - com
 Berlandiera "
 Yucca glauca, "
 Opuntia miss. "
 Echinocactus texensis

May 29
 Lubbock 8, 3300
 Otocoris com
 Petrochelidon "
 Mniotilta 1
 Minus 1
 Speotyto com
 Progne subis 2
 Chordeiles com
 Buteo swainsoni "
 Agelaius vociferus "
 Sturnella neglecta "

Camp 6 P.M., 2 mi. S.E. of
 Hart Center 3700

May 30 Camp 8 3650
 Hart Center "
 Sturnella com
 Callipepla 2

Running Water 11, 3750

Camp 6 3700
 35 mi.

Mniotilta cinerea 1
 Callipepla 2
 Agelaius vociferus com
 " montanus 1
 Xanthocephalus 18

Lubbock

May 31
 Camp 7 A.M. 3800
 Agelaius montanus 2, 2 yr.
 Otocoris, abn. - nest 3 eggs
 Zonotrichia leucophrys 1

High prairie 4850
 Creek valley 3950
 Canyon 4000
 Amarillo 4100

June 2 Amarillo
 Agelaius vociferus com
 " montanus 3

Progne subis com
 Petrochelidon "
 Chordeiles "
 Minus a few.
 Speotyto "
 Chondestes budding "
 Peucaea cassinii "
 Zonotrichia 2
 Zenaidura 2
 Otocoris abn.
 Passer domesticus in towns.
 Sturnella neglecta com

Amarillo June 3

Yucca glauca, on side hill
 Acacia a few in gulch
 Ipomoea big com.
 Psoralea "
 Artemisia ludoviciana "
 " " "
 Gutierrezia "
 Grass —
 Convolvulus
 Schrankia

June 4 Taseasa

Tyrannus verticalis com
 " tyrannus 2
 Zenaidura abu
 Agelaius vociferus "
 Chondestes com
 Dendroica aestiva "
 Empidonax "
 Coereba " "
 Icterus bullocki 1
 Minimus abu.
 Petrochelidon com
 Chelidon 1
 Lanius a family
 Rite 3+ nest
 Bubo 1
 Melanerpes erythrocephalus 1
 Dendroica auduboni 1
 Vireo olivaceus 1
 Zonotrichia 5
 5. Buteo swainsoni 2
 Cathartes aura 1
 Myiarchus cinerascens (H) 2
 Geococcyx said to wear
 Calipha s. c. " "
 Corvus "
 Pidiocetes "
 Anas boschas 1 ♂
 Agelaius phoeniceus 3
 Xanthocephalus 2
 Sturnella
 Fulica americana (H) 1

Zasaca June 6.

Populus monilifera com

Salix - a few trees

Celtis "

Juniperus on hills

Prosopis juliflora, a few

Acacia farnesiana "

Dalea pinnatifida "

" little herbaceous

" tall "

Artemisia filifolia? abn.

Gutierrezia? "

Yucca glauca "

Opuntia engelmannii? "

Cercus carolinensis a few

" "

Mammillaria vivipara a few

Opuntia davisi, a few.

Psoralea

"

Abronia

Baccharis? abn

Rhus hirtata

Rosa

Polygala alba

Sonchus

Sehrankia

Petalostemon

Anemone fruticosa

Glycerhiza

Plant Catalogue 1899

128 Artemisia canadensis?

Amarillo, Texas, June 3, 99

129, Artemisia filifolia

Zasaca, Tex. June 6

130 Abronia fragrans?

Zasaca, Tex. June 6.

131 Dalea

Zasaca, Tex. June 6

132 Petalostemon

Zasaca June 6

133 Dalea

Zasaca June 6

134 Dalea Psoralea

Zasaca June 6

135 Chilopsis

Roswell, N.M. (30 mi. W) June 16.

136 Juglans rupestris

Roswell, N.M. (40 mi. W) June 16

137 Fallopia

Roswell, N.M. (40 mi. W.) June 16, 99

138 Quercus fendleri shinoak

Roswell, 30 mi. W. June 16.

139 Lyssium

Roswell, (30 mi. W.) June 16, 99

Plant Cat

140 *Quercus grisea* - ~~stul~~
Mt. Capitan, N.M. June 16.

141 *Quercus acuminata*.
Mt. Capitan, N.M. June 16.

142 *Acacia*
Eddy, N.M. June 20

143 Ditch plant - aquatic

Eddy, N.M. June 20
Send name to Mr. Reed.

144 *Adenostoma*
Lee Caves, Calif. July 10

Plant Cat

June 7

Left Tascosa 5 AM.

Opuntia arborescens
com in valleys

Quercus

~~Hesperis~~

Antelope 32

Portales, 11:50

Otocoris

com

Sturnella

-

Speotyto

1

Minimus

com

Zenaidura

1

Petrochelidon com + nests

Chondestes

com

Pooecetes

"

Agelaius

"

June 8

Pecos R.

Cathartes aura 1

Roswell

June 8 Roswell

3570 ft

Sturnella

com

Otocoris

4

Pooecetes

"

Agelaius phoeniceus

com

Agelaius vociferus

"

Minimus

"

Lanius

com

Tyrannus verticalis

com

Chelidon

"

Petrochelidon

"

Speotyto

"

Chondestes

"

¹⁰ *Chondestes*

1

Gaurica ciruba

apart

Zonotrichia

com. H.

Cathartes aura 2

2 H.

Coccyzus americanus

1

Sturnella neglecta

com

Buteo swainsoni

1

Circus

1 ♂

Icterus bullocki

1 ♂

Roswell, June 9

Asclepias jamesii

Prosopis juliflora

Condalia

Lycium

Atriplex canescens

Gutierrezia

Ephedra

Populus monilifera

Salix

Cassia

Hoffmannseggia

Coccoloba

Sandbar

June 12

Larrea

Opuntia

Verbesina

Yucca

Opuntia albocarpa

Opuntia engelmannii

Echinocactus

Roswell, June 10

At burrowing owl hole

horse manure,

corn cobs, cow hairs,

cock feathers, charcoal,

calico, a child's wooden rattle,

bones, rags, feathers,

hides,

June 12

Left Rensselaer

8:30

arrived - 3950
3510
440

Lunch

entirely

Creek 30 mi. 4800

Philobates

Fallugia

Quercus skin oak

Quercus

Audubon's

Alnus

Black ranch - 7.40 mi. 5500

June 13 - Camp 8, 5450

Yucca glauca

" baccata? small

Nolina

Juniperus occidentalis

Acacia

Juglans

Quercus

Prosopis

Rhus microphylla

" trilobata

Ribes cereum?

Gutierrezia

Opuntia arborescens

Fallugia

Gutierrezia

Juniperus procumbens 6000

Oak trees

June 13 Black Ranch

Zenaidura

Chondestes

Chordeiles

Minuco

Trochilus

Pooecetes castaneus

Speotyto

Chelidon

Spinus psaltria 3

Tyrannus verticalis

Mniotilta cinerea

Sturnella

Cathartes

Cathartes

Golden Eagle 2

Falco mex 1

Falco mex 1

Falco mex 1

Camp

Carpodacus

Sitta aculeata 3

" canadensis 1

Oriobates barrii

Melanerpes f. angustirostris obs.

Melospiza

Melospiza

Myiarchus cinerascens

Trochilus

Pipilo aberti

Aphelocoma

Spizella arizonae

Ranunculus 6400
Pinus ponderosa "
Cercocarpus 6300
Pinus edulis 6600
Pseudotsuga (= gulch) "
Camp 1 6600
Cercocarpus parryi 9000
Arctostaphylos "
Quercus muhlenbergii 6500

June 14 Camp 8. 6350
Quercus virginiana - 8700^s
 " *minors* "
 " *prinus* 6500-6700
 " *durandii* 6800-1000
Arbutus 6400-7800
Juniperus occidentalis - 6800
 " *pachyphloea* - 8000^{SW}
Pinus edulis 6300-7400^s
 " *ponderosa* - 8800^s
Pseudotsuga 6800-1000
Arctostaphylos 6800-8000^s
Arctostaphylos " 9300^s
Pachystima 7200^{ns}-9000
Pinus flexilis 7400^{ns}-1000
Abies " 1000
Populus tremuloides 8000- "
Physocarpus (nt) " - "
Spiraea 9900-1000
Acer glabrum 8000-1000
Cercocarpus " - 9000^s

Acacia - 7800^s
Opuntia arborescens - 7000^s
Alouzia - "
Opuntia engelmannii - "

June 14, up El Capitan
Camp - 8:30 6358

Sialia mexicana 1

Bubo heard

Megascops "

Parus gambeli 6800

Piranga ludoviciana 1 "

Vireo

Habia melanocephalus 8000

Tamias

Celaptes melanoleucus

Tachycineta thalassina

Junco 9500

Dendroica auduboni 10000

Colaptes cafer 2 6500 - 8000

Psaltriparus 2

Pipilo arctus 2 7500

June 15

Sayornis 2

June 16 Camp 10. 6200

Dipodomys sp. - 6000

Onychomys sp. - 6000

Peromyscus sp. - "

Sciurus sp. - "

Citellus sp. - "

Onychomys sp. - 6000

Peromyscus sp. 5500 -

Onychomys sp. - 5500

Citellus sp. - "

Peromyscus sp. - 6000

Onychomys sp. - 8000

Peromyscus sp. - 7000

Onychomys sp. - 6000

Peromyscus sp. - 6300

Citellus sp. - 5200

Onychomys sp. - "

Peromyscus sp.

Onychomys sp.

Peromyscus sp. 2 - 5200

Onychomys sp. - 5200

Peromyscus sp. 5000

Camp on prairie 4950



June 14: up El Capitan
Camp - 8:30 6350

Sialia mexicana 1
Bubo heard
Megascops "

Parus gambeli 6800

Piranga ludoviciana 1 "

Vireo

Habia melanocephalus 8000

Tamias "

Colaptes melanerpes

Tachycineta thalassina

Junco 9500

Dendroica auduboni 10000

Colaptes cafer 2 6500 - 8000

Pipilo maculatus 2

Pipilo arcticus 2 7500

June 15

Sayornis 2

June 16 Camp 10. 6200

Dipodomys sp. - 6000

Onychomys leucogaster, 6000

Peromyscus sp. - "

" *pl.* - "

Circus - "

Accipiter - 6000

Accipiter nanus 5500 -

" *fragrans* - 5500

Chondestes - "

Cathartes - "

Yucca glauca - 6000

" *pacifica* - 8000

Robinia - 7000

Juglans - 6000

Shrub oak - 5300

Cedrus - 5200

Atriplex canescens - "

Quercus

Amphispiza 2 - 5200

Leguminosae - 5000

Portulaca 5000

Camp on prairie 4950

June 17

Camp 6:30

4950

Larrea (15 mi out) 4500

Roswell

4050

Mammals - Pecos valley

Canis macrotis

Antilocapra

Ovis

Sciurus

Peromyscus maniculatus

131. *pallidus*

spilosomus

Eutamias

Cynomys

Peromyscus

Onychomys

Neotoma 2

Thomomys

Geomys

Dipodomys spectabilis

Perodipus

Perognathus paradoxus
little

Lepus bechmani

" *tex*

Lilys concolor

Lynx

Canis latrans

" *nubilus*

Ursus

June 18

Roswell, left 3:30 P.M.

actual altitude 3520

Hagerman train stops

Miller

McMillan

Eddy

3121

Atriplex canescens

" *lentiformis*?

Larrea

Acacia yellow

Prosopis subfloracum

~~*Trachypogon*~~

Koeberlinia spinosa

Cordata obtusifolia

Prosopis pubescens abn.

Procyon

Urocyon

Taxidea

Mephitis

Vulpes

Myctinomys

June 20

Eddy,

(Hig-

Xanthocephalus

Agelaius

Cardinalis

Icterus bullocki

Geococcyx

Agelaius vociferus

Chelidon

Petrochelidon

Progne subis

Symphoricarpos porteri

Spoonbills?

Circus hals

Godwit

Coot

Zenaidura macroura

Ardea herodias

Mimus

Sturnella

Otocoris

Lanius

Avocet - reported

Zenaidura

Cathartes aura

June 20

To Pecos, Tex

June 21

Pecos & Barstow.

Prosopis juliflora

Zinnia

Lissium

Atriplex canescens

Heliotropium

Holostachys

Suaeda

Yucca

Koeberlinia

~~Prosopis pubescens~~

Acacia constricta

July 7

Island in Tule Lake

Artemisia tridentata

Bigelovia albicaulis

" *tortifolia*

Mentzelia grandiflora

Nicotiana

Calochortis gunnisoni

Koehnitzkia

Oreogarys membranacea

Reber cuneus

"

Escottzia

Lupinus

Grayia

Helianthus annuus

abu.

July 9

To Lee caves

Osprey 9 nests 4 mi. S of Lake

Progne subis

Colaptes cafer

Melanerpes formicivorus

Picicorvus

Parus

Mimus

Tyrannus verticalis

Sialia arctica

25 mi.

July 10 Sea caves

4 hrs

Junco

Pinus ponderosa 4500-6700

Kunzia

Cercocarpus ledifolius

Caryophyllus

Artemisia

Prunus

Chonotricha velutina - 6200

Abies N E 5100

Libocedrus

Arctostaphylos " " 6700

Pinus monophylla 6000

" *lambertiana* "

" *monticola* 6400-

Abies sibirica 6500-

Ceanothus

Arctostaphylos - nevadensis "

Tsuga 7000

Junco 7500

Medicago 6900

Artemisia

Arctitis uventoria "

Buffle heads "

Sturnus pinus com

Sialia arctica, at west

Mimus

Colaptes cafer

Corpodacus coccineus

Sitta pygmaea

25 mi.

Ages June 24

Calipepla	com
Icterus bullocki	abn
Carpodacus	abn
Habia melanocephala	2
Sturnella	com
Petrochelidon	"
Tyrannus verticalis	"
Zenaidura, 3 nests,	"
Oegialitis	"
Sceloporus	"
Pipilo meq. or oregon, nest	heard
Corvus	heard
Aphelocoma	com
Cathartes	"
Falco sparverius	2
Psittiparus	a family
Parus	heard
Dendroagapus	com, heard 3800
Pipilo nest arctica, 2	5050
Junco	2
Piranga	2
Lanius	com
Passerina amoena	1
Pipilo aberti	+ nest
Melanerpes torquatus	3
Dendroica aestiva	1
Thryothorus	2
Colaptes cafer	
Chordeiles	

Ages

June 24 station 2350

Croton digitaria	
Utradyneris	
Lupinus luteus	
"	big blue
"	little
Juniperus	
Quercus garriana	✓
Ceanothus intergerimus	✓
Bigelovia	
Prunus	
Amelanchier	
Cercocarpus parvifolius	✓
Kunzia	
Pinus ponderosa	ingulches 3300 ✓ open E. Slope 3800
Pseudotsuga	" " ✓
Garrus	
Rhus tox -	✓
Yarbi Santa	
Ribes	
Phorodendron	
Quercus californica	E. 3800
Libocedrus	" ✓
Ceanothus divaricatus	
top, L =	5050 ✓

June 28

Left Agee 2:30 P.m. 2400

Shovel Creek 6 2600

Melanerpes formicivorus com

" *torquatus* "

Colaptes cafer 1

Merula propinqua com

Icteria virens

Melospiza montana 1

Night herons 3

Cyanocitta

20 mi.

June 27 Left Silver Lake 2600

Top of Canyon, Topsy 4100

Summit on Chicken hill 4400

Said to be (4700)

Dinner at Chase's Ranch 3850

On highest ridge

Pinus ponderosa

" *monticola*, after a ridge

Pseudotsuga

Abies

Libocedrus

Juniperus - on rocks at Top

Ceanothus intergericus, W. side

" *whitimus*, E. side

" *prostratus* "

Pachystima

Prunus, chokecherries

" *serotina*

Quercus, W. side - 2

taxinus, W. side (37 mi.)

June 30

To Po Valley

Bonanza

Magpies com

Cyanocystalus a few

finches com

Dry Prairie

Camp in woods - 50 mi.
July 1

Caseys Ranch.

Bonanza

25 mi

July 2

to Klamath

25

Swan Lake Valley

July 3 Outfitted

July 4

Klamath

8 am

Po Valley

Tule Lake

34 miles

Lanius 3

Fish hawk, about 100 ^{seen} nests

said to be 500

2 eggs + 1 egg in nest

4 feet wide, 4 high, mostly

oage brush.

July 5 Carr's Ranch

Pelecanus	abn
Acrocephalus nests	com
Podilymbus	"
Eared grebe nests	"
Horned grebe ?	"
Fulica nests + yg.	abn
Recurvirostra yg.	com
Stilt	"
Aegialitis vocifera	"
Ardeotis exilis nest + 2 yg.	1
Ardea herodias	3
Forstersteria, nests + yg.	com
Hydrochelidon nests	"
Anas boschas	"
" discolor	"
" "cinnamom"	"
" "gadwall"	"
Erismatura rubida nests	"
Scalp	"
Redhead	"
Phalacrocorax diophus	"
Xanthocephalus yg.	abn
Scaliocephalus	"
Sturnella	a few
Agelaius phoeniceus	1
Cistothorus nests + eggs	abn
Ammodramus	com
Otocoris	com.
Petrochelidon	abn
Chelidon	com

July 6

Poecetes	1
Glossy Ibis H	1
Botaurus lentiginosus	1
Zenaidura	com
Circus	1
Geothlypis trichas	1
Antrocircus	12

July 7 down E side of lake

Buteo swainsoni	1
Oroscoptes	
Chordeiles	
Sayornis	2
Spizella	
Falco sparverius	1
Tyrannus verticalis	
Sialia	
Icterus bullocki yg. in nest	
Melospiza	com.
Cormorants nests + yg.	
Cathartes aura	com.
Winters ranch at peninsula	
Carpodacus	
Falco mexicanus	com
Haliaetus leucocapillus	1
Larus californicus	
"	
Petrochelidon, thousands on island	

12 mi.

July 7

Island in Tule Lake

Artemisia tridentata

Pegelovia albiculis

" *tortifolia*

Mentzelia grandiflora

Nicotiana

Calochortis gunnisoni

Krinitzka

Oreogarys membranacea

Reber cuneus

"

Escottzia

Lupinus

Grayia

abu.

Helianthus annuus

July 9

To Ice caves

Osprey 9 nests 4 mi. S of lake

Progne subis

Colaptes cafer

Melanerpes formicivorus

Picicorvus

Parus

Merula

Tyrannus verticalis

Sialia arctica

2.5 mi.

July 10 Ice caves

4 hrs

Junco

Pinus ponderosa 4500-6700

Kunzia

Cercocarpus ledifolius

Chrysothamnus

Artemisia

Prunus

Ceanothus velutinus - 6200

Abies

N E

5100

Libocedrus

Arctostaphylos

Pinus murrayana

" *lambertiana*

" *monticola*

Abies sibirica

Castanopsis

Arctostaphylos - nevadensis

Tsuga

Summit

Medicine Lake

~~Paterson~~

Oreitis monticola

Buffle heads

Sturnus pinus

Sialia arctica, at nest.

Merula

Colaptes cafer

Corpodacus coccineus

Sitta pygmaea

2.5 mi.

July 11

Lee Caves to Mud Lake

Sitta pygmaea
Melanerpes formicivorus com
Oridotis bairdi 1
Colaptes cafer 3
Ethya riparia 1
Junco, old + ya.
Sialia mex. 2
Sialia arctica com.
Myiarchus cinerascens 1
Tyrannus verticalis 2
Dendroica auduboni 2
Certhia 1
Buteo swainsoni 2
Falco sparverius 2
Cyanocitta com
Cyanocitta "
Aphelocoma
Spizella breweri com
Zenaidura "
Osprey 9 nests
Sturnella 1
Chordeiles com
Progne subis - 2 nests
Piranga ludoviciana, heard
Loxia
Carpodacus cassinii

Mud Lake,

72 mi

July 12 Mud Lake

Pinus ponderosa
Juniperus
Cercocarpus ledifolius
Kunzia tridentata
Amelanchier
Artemisia tridentata
 " *cava*
Wyethia mollis
Balsamorhiza sagittata
Chrysothamnus hookeri
Prunus - plum
 " *chokeberry*
 " *cerrulata*
Ceanothus velutinus
 " *prostratus*
Arctostaphylos
Wyethia amplexicaulis
 Happy Camp
Abies concolor
Libocedrus
Quercus calif.
Artemisia tridentata
Carya
Dipodomys trachurus com

Big Valley

Lookout

28 mi.

July 14 Big Valley
Bieber 4600

Artemisia tridentata
" arbuscula
" cana
Bigelovia albicaulis
" tortifolia
Wyethia mollis
" amphicaulis

Balsamorhiza

Lupinus 2

Rhus

Willow Creek 4800

Summit 1. - John Chase

Pinus ponderosa

" jeffreyi

Juniperus occidentalis

Cercocarpus ledolifolius

Quercus californicus, a few

Amelanchier

Salix

Pinus

Libocedrus

Populus tremuloides

" Trichocarpa

Cercocarpus betulifolia

Arctostaphylos uva-ursi

Ceanothus velutinus

" prostratus

Camp near Hayden Hill

5500

20 mi.

July 15

Colaptes cafer

Melanerpes formicivorus

Sphyrapicus nuchalis

Xelopsyllus

Cyanocitta

Aphelocoma

Pipilo

Mimus

Sialia mex

Spizella

Junco

Helminthophila c. lutescens

Troglodytes, a family

Psittacus, " 8

Trochilus rufus, abn.

Falco sparverius, a family

Oreortyx montanus

Vireo g. swainsoni

Contopus richardsoni

Zenaidura

Passerella

" Carpodacus calif - 3

" passerina 2

~~Scolecophagus~~

June 16 Camp 5150
 Hayden Hill 6000
 Chien, a pine
 Town of Hayden Hill 6200
 Sage plain
 Highest ridge 6400
 Rim of Grasshopper V. 6200
 Grasshopper Valley 5700
 Eagle Lake 5500
 Actual altitude 5150
 3 mi.

July 17
 To Susanville 2.5 mi.
Ceanothus diversifolius
Argemone platyceras
Croton
Nicotiana

July 20 Susanville 9

Pinus ponderosa
 - *jiffreyi*
Juniperus
Quercus calif.
Rhus
Cercocarpus ledifolius
Artemisia - 3
Amelanchier
Wyethia mollis
Arctostaphylos -
 - *Sauvill*
Ceanothus prostratus
 - *integerrimus*
Ficaria vancouveriana
Lilium
Pseudotsuga
Abies concolor
Populus tremuloides
 Camp 1 P.M. 5000
Pinus lambertiana 5100
Acer glabrum "
Ceanothus velutinus "
Castanopsis 2. 6200
Arctostaphylos nevadensis 2. "
 top of peak 6500
 12 mi.

July 21. Mt. Meadows 9

Pinus murrayana
Populus tremuloides

Camp - 12 M. at Spring.

Clear Creek

Piranga ludo. 4 yg.

Merula

Sialia arctica 4 yg.

Sphyrapicus in.

Dendroica

Colaptes cafer

Zenopsis - feeding yg.

Dendroica 1 ♀

Zenaidura

Falco sparverius

Buteo

Ceryle alcyon com

Indelidus

Contopus rich - com

Empidonax mostly

Contopus borealis

Tyrannus verticalis 2

Cyanocitta yg.

Perisoreus 2 seen

Geothlypis com

Zonotrichia "

Spizella breweri, in valley

" *arizonae*, a few.

Junco com

Passerella

Melospiza

Carpodacus cassinii, com

Sylvania pusilla

Spinus pinus 2

Helminthophila c. lutescens

Aedroica aestiva

Vireo swainsoni

Parus gambelli

Sitta

Chordeiles

Ceryle

Bubo - heard

Agelaius 1

Circus 1

July 24 Left Clear Creek.

All forest, no water, sheep

Burt Johnsons - Chester P.O.

Camped at noon. 9 mi.

July 25 Up Warner Creek
To Orades Hot Spring 18 mi.
5500, edge of Canadian 3m. E.

<i>Pinus ponderosa</i>	- 5500 ^S
" <i>jeffreyi</i>	4200 - 6500 ^S
" <i>murrayana</i>	4200 - 7000
" <i>lambertiana</i>	4200 - 5500
" <i>monticola</i>	5500 ^E - 7000
<i>Abies lowiana</i>	4200 - 7000
" <i>slatensis</i>	5500 ^E - 7000 ^E 8000 ^S
<i>Libocedrus</i>	4200 - 6000
<i>Tsuga patoni</i>	6500 ^{NE} - 9000 ^{NE} 9500
<i>Populus trichocarpa</i>	4200 - 5500 ^E
" <i>tramuloides</i>	" - "
<i>Alnus</i>	- 6000
<i>Arctostaphylos patula</i>	- 5500 ^E
" <i>rhododensis</i>	5500 ^E - 7000 ^E 8000 ^S
<i>Castanopsis chrysophylla</i>	- 6500 ^S
<i>Quercus "minor"</i>	6000 - 7000 ^S
<i>Symphoricarpos</i>	5000 - 6000
<i>Holodiscus</i>	7000
<i>Canadarraca nana</i>	6000 -
<i>Ceanothus velutinus</i>	6000 6000 ^S
" <i>intergrissimus</i>	- 6000 ^S
" <i>prostratus</i>	- " "
<i>Calceolaria "mariposa"</i>	6000 - 7000
" <i>"minuta"</i>	7000
<i>Dicentra</i>	6000
<i>Chimaphylla</i>	
<i>Lonicera involucrata</i>	5500 -
" <i>utahensis</i> ?	"
<i>Veratrum californicum</i>	5500 - 7500

<i>Lidum (microphylla) grandiflora</i>	7000 - 8000
<i>Salix</i>	3
<i>Bryanthus</i>	7000 ^E - 8000
<i>Tsuga</i>	7000 ^E - 9000 ^S 9500
<i>Spiraea rosacea</i>	
<i>Cydonia douglasii</i>	6000
<i>Colona grandiflora</i>	- "
<i>Frittelaria</i>	
<i>Horkelia fusca</i>	4200 - 5500
<i>Monardella odoratissima</i>	
<i>Lilium washingtonianum</i>	4500
" <i>parvum</i>	5500 -
<i>Sambucus</i>	
<i>Sorbus</i>	
<i>Aconitum</i>	
<i>Habenaria</i>	
<i>Lupinus</i>	

July 27
Up trail - Top of ridge 6500
Lower edge Canadian 5000
Tsuga NE 6700 -
Lupinus *ovatus* " - 9000
Bryanthus " - 8000
Polygonum nuttallii " -
Eriogonum umbellatum " -
Spraguea umbellata
Kings Creek 7000
Left horses 8000 -
Pinus albicaulis 8200 - 9000
Limnolobos, S. 9000
Dwarfed Hemlock - *Pinus albicaulis* 9500
Crumb Lake 7300

D lakes Hot Spr. 20/ Lassen
July 24

Hyperocichla

Spinus pinus

Oriobates harrisi

Colaptes cafer

Merula

Turdus

com + yg
heard

Parus gambeli

Regulus satrapa 4 yg.

juv

Ceryle alcyon

Piranga lud.

2

Perisoreus

Vireo

Empidonax

Contopus rich

Myadestes townsendi 1

Melospiza montana nest + yg

Actitis macularia 2

Carpodacus cassinii com.

Chondestes

Oreateya + yg.

Cinclus (H)

Trochilus

Nucifraga

July 27 up mtn.

Pine grosbeak, ♀ 1 (H)

Down trail from Bumpus Hot Spr.
& Morgans on Mill Creek

Acer macrophylla SW - 5500

Quercus calif. 2 SW - 5500

Ceanothus 'ilice' SW - 5500

Acer glabrum

Penstemon

Camp 5000 feet.

July 30,

Camp - Morgans

High ridge - 5500

Abies - big cones "

" larvae - "

Arctostaphylos nevadensis "

down grade to

Nanny Creek in

Battle Creek Meadows

Camp 12 5000

Sciurus

July 21

5000 ft

Camp 8, down Batt's Cr.

Pinus ponderosa 4000-

" *murrayana* 5000-

" *lambertiana* 4200-

Abies grandis " -

"

Pseudotsuga 4500-

Libocedrus " -

Quercus calif. 4000 - 5500

Populus tremuloides 4500-

" *tricarpeus* " -

Acer macrophylla " -

Arctostaphylos uva-ursi " - 5500

Ceanothus velutinus 5000-

" *prostratus* " -

" *intergerimus* 4000-

Cornus nuttallii - 4500

Ceanothus "lilae" 4000-500

Quercus chrysolepis - 4200

" " - 4000

Juniper " "

Arctost. patula " "

" *glauca* " "

Ceanothus divaricatus " "

Circis " "

Pinus sabiniana " "

Cercocarpus parvifolius " "

Phorodendron " "

Quercus lobata - 2500

" *dumosa* " "

Asclepias - 3000

Croton - "

Pteris ilicifolia - 4000

Fremontodendron - "

Cephalanthus

Aphelocoma - 4000

Psittacus - "

Melospiza bairdi - "

Myiarchus cinerascens - "

Pipilo fuscus - "

Dipodomys - "

Calipepla - 3000

Carpodacus calif.

Redding

Parus inornatus

Aug 4. Redding
Shasta.

Pinus latifolia

" *attenuata*

" *ponderosa*

Quercus lobata

" " *minor*"

" *chrysolepis*

" *virgiliana*

" *douglasii*

Arceuthobium

Cercocarpus diversicaulis

" *lilac*

" *intergrum*?

Heteromeles

Fraxinus oregana

Quercus californica

Calocanthus

Cornus nuttallii

Ailanthus

Populus trichocarpa

Acer macrophylla

Pseudotsuga 1500-^{N.E.}

Cypripedium macrocarpum 1300-

Adiantum fasciculatum

Asplenium

Rachytia N.E. 3000-

Cornus sessilis

" *pubescens*

Linnaea N.E. gulch 3000-

20 mi.

Aug 5

Bully Choop Mts

Camp 10 am 2000

Taxus 2000-

Pinus lambertiana 3000-

Abies

Libocedrus 3300-^{N.E.}

Corylus 2000-

Arbutus " -

Quercus densiflora " -

Cornus sessilis 3000

Pachystima " -

Rubus nuttallii

Linnaea in gulch N.E. 3000-

Camp 3000
came 5 miles.

Aug 7, Camp. 3000

Summit 3400

Trinity River 2000

Weaverville 2200

Camp 2050

Acer circinatum

Quercus garryana

Pyrus rivularis

Rhamnus purshiana

"

25 mi.

Aug. 9

Waverilla

20.

2200

Diedrick

2500

22 mi.

Aug. 10 Camp. 9.

2500

up Canyon Creek

10 mi

Meadows

1 PM

4600

Camp.

~~4600~~
5750

Lake

4 mi.

5750

Ceryle alcyon 1

Falco sparverius

yanocitta

Horreobates barrii

Colaptes cafer

Oreospiza chlorurus

Melospiza lincolni 5600 ft

Carpodacus

Junco

Piranga ludo-

Merula

Turdus (W. skin)

Certhia

com.

Helminthophila c. lutescens (W. skin)

Parus

Geothlypis macgillivrayi

Winter wren

Vireo

Contopus borealis

Contopus richardsoni

Spinus pinus

Oreortyx plumifera, a family 6000

Aug. 15 up to Lakes

Circus

Myiadestes townsendi

Passerina acuminata 1st 6700 ft

Troglodytes

1 6000 ft

²⁵Alcipiter velox

Phalaropus hyperboreus 1

Aug. 18 CHM. arrived

" 20

Aug. 23, Hig. + W. F. left.

Aug. 24, down to lower meadows
4 mi.

Aug. 27, To Diedrick - 8 mi.
To Junction 13 mi.

Aug. 28 to Hayfork 20 mi.

Aug. 29. to Post Ranch 12 mi.

Aug. 30

To South Fork

To Mad R. at Canada,

Camped on Hobart Cr. 15

Sep. 2 To Van Duzen R

Camped near mouth of Little Van
14 mi.

Sep. 3 To Bridgville 13 mi.

Sep. 4 to Hydreville 22 mi.
to Fernkale 10 mi.

Sep. 5 To Capetown, 15

Sep. 6 To Petroliar &
Upper Matoli
staid at Roseco's

Sep. 7 To Brickland 30

Sep. 8 to Kanny, 27

Sep. 9 to Westport 30 +
to Laytonville 28.

Sep. 13 Laytonville to station on
Chemise Mtn. - 27 mi.

Sep. 14 to Garb Harris 14
to Garberville 15
4 miles n. of 4

Sep. 15 to 4 mi s. of Byersville 24
all along S. Fork Eel R.

Sep. 20 To Byersville 6
to Harris 33

Sep. 21, to Cummings 25 mi.

Sep. 22 to Laytonville 13 mi.

Sep. 23 to Corals, 28 mi.

Sep. 24 up Mtn. to Hog ranch 16 mi.

Sep. 25 to Govt Flat. 12 mi.
6250 ft.

Sep. 27 to Paskenta +
5 mi. beyond. 35 mi.

Sep. 28 to Red Bluff 27 mi.

Oct. 1 to Redding

Oct. 4 to Sisson

Calacanthus in flower near Sisson
C. intergerimus in flower. Castella

Oct. 8+9 to San Francisco

Oct. 11 to Suisun

Oct. 13 to San Francisco +
Started home. 8. PM. night.

Oct. 14 Redding to Ashland. dark

Oct. 15 Salem - daylight
Portland, 9-2

The Dalles - dark

Oct. 16

Spokane -

To Calispell - dark

Oct. 17 Silby Junction, light
Ft. Buford - dark
all snow -

Oct. 18 Fargo
Elle River

Oct. 23, to St. Paul

Oct. 24, Chicago

Oct. 25, to N. York

Oct. 26, to Locust Grove

Oct. 29 to N. York

Nov. 1 to Washington





Outfit stored, Oct. 4, 99

with Dean + Watson

• Ridding, Calif.

5 packages, red tent, chest,

Anderson saddle - outfit.

Dr. M's whitening saddle in telescope

Jack Schmitt,

Manville, Calif. Oct. 5

Jack, Harry, + Nell at

1.25 pr. wo. in pasture

Pack + riding saddle

1899 expenses

Jan.	43.65
Feb.	62.76
March	140.96
April	76.60
May	90.45
June	93.00
July	133.70
Aug.	65.25
Sept.	65.75
Oct.	168.50
Nov.	507.76
Dec.	437.97

Levi Spalding, Iowa, Ia.

L. J. Whately, Iowa, Ia.

Prof. Knapp &

Arthur Knapp

Lake Charles, Ia.

Jeff Dick

Levi Dick, near Galveston

J. S. McEacban, Richmond, Tex.

Miss Tilly

Bruce

Hence

Waddy

C. C. Dyer, Richmond, Tex.

18 y. old Cowboy

Dick Parrot, Dawson

Brazoria Co., Tex. for
bear trophies named Muck.

Dr. E. E. Palmer, Kerrville

Howard Lacy

Judge G. A. Richardson

Rowell, N.M.

W. G. Hamilton

John Richey

A. S. Joiner

J. Laimhart, Pecos, N.M.
wolf cub

A. S. Gots

Eddy, N.M.

Wm. M. Reed

T. G. Tracy

Arthur - Elliot - clerk -

Hutchinson, prop. of
Schultz Hotel

Judge Freeman, Eddy,
for Grizzley skulls

Judge Van Sickle

Alpine, Tex. for wolf skulls

Mrs. Dr. Brown

1212 Sutter St. San Francisco

Miss Adams -

335 S. Halstead St.
Hull House - Chicago

Dean & Watson

Redding, Calif. Outfit

Jake Schimpf

Marysville, Calif. Horses
pack & riding saddle.

G. A. Turner, photographer

26 Montgomery St. San Fran.

James Merriam

N York, 209 W 56 St.

C. L. Bagg

N York, 26, W 46

Transportation Orders, 1897.

No. 4901, Washington to
Lake Charles, La. Apr. 3, 99, \$34.05
West Point to Kerrville 5.90
Lampasas to San Angelo 5.15
Portales to Roswell 3.40
Eddy to Pecos 3.00
Roswell to Eddy 3.00
Pecos to ~~Agua~~ ^{El Paso} 6.40
El Paso to Sacramento 35.00
Sacramento to Ag- 9.90
105.95

Redding to Sisson 3.15
Sisson to San Francisco, 10.65
San Fran. to Chicago 62.50
Chicago to Washington 17.50
93.80

Feb. 6

E. A. Goldman's youngest
brother at Delano, Calif.
with to Mrs. Jacob Goldman

Zuener - P

24

x 5

Zvi

20

for skin

Yale laundry 1104

Safety box 219

Higginson, R.R. bridge 125
via Essex, Mont.

Dec. 99, CHM 100.

Mr. F. R. McConnell
Quero, Texas.

Howard Lacey

Oil of Citronella 107.
magister

J. Linschert, Portales
waist cut

Klamath 4186

Swan Lake 4270

J. A. Winter
Carmell, Calif.

Klamath, 712 enter

F. M. Benson

Winters, 111

1117 7th Chestnut

Wednesday

401.12

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